

St. Joseph/Maumee Watershed Restoration Action Strategy

**TABLE 4.1: RESULTS OF SEASONAL KENDALL ANALYSIS FOR STATIONS LOCATED  
IN THE ST. JOSEPH-MAUMEE WATERSHED 1986 TO 1995**

Parameter	M-114 Maumee River S.R. 101 Bridge, North of Woodburn	M-129 Maumee River Landin Road New Haven	STJ-0.5 St. Joseph River Tennessee Street Bridge Fort Wayne	STM-0.2 St. Mary's River Spy Run Bridge Fort Wayne
Biological Oxygen Demand	↔	↔	↔	↔
Chemical Oxygen Demand	↓	↓	↔	↔
Dissolved Oxygen	↔	↔	↘	↔
E. coli	↓	↓	↔	↓
Ammonia	↔	↔	↔	↔
Nitrite + Nitrate	↔	↔	↔	↘
Total phosphorus	↓	↓	↔	↓
Total Residue	↔	↔	↗	↘
Total Residue, Filterable	?	?	↔	?
Total Residue, Nonfilterable	↘	↔	↔	↔

Notes

- ↔ = No Statistical Change; significance < 80% or reported slope = 0.00000
- ↓ = Statistically Decreasing; significance >95% with a negative slope
- ↘ = Potentially Decreasing; significance >80% with a negative slope
- ↗ = Potentially Increasing; significance >80% with a positive slope
- ↑ = Statistically Increasing; significance >95 % with a positive slope
- ? = Insufficient Data for analysis